

**CAC Meeting  
November 15, 2001  
Tooele City Hall**

***Members Present:***

BENNETT, John	SAC
BOWMAN, Dr. Jane	Obstetrician
DOWNS, Dennis	DEQ/DSHW
HULLINGER, Sid	Tooele County
KIM, Deborah	U of U, Board Chair
OSTLER, David	SAC
SILCOX, Dr. Geoff	U of U
WHITE, Beverly	Tooele County
WHITE, Gene	Tooele County Commission

***Members Excused:***

Bauer, Dan  
Holt, Rosemary

***Guests Present:***

Welcome made by Debbie Kim, Board Chair. The meeting was brought to order at 6:30 p.m. The minutes were reviewed and approved without any corrections.

The items that were not covered in the last meeting will be reviewed tonight.

I. First topic is the procedure for testing emissions coming from the stack.

Tim Thomas-

The question is how are the tests conducted on the stack. The testing for agent operations in preparation includes a two-part evaluation, precision and accuracy study as well as a base line study. The precision and accuracy study is used to determine if the ACAMS fall into regulatory tolerances. The study consists for 4 days of testing two different ACAM units with two different operators doing the testing which results in a total of eight days of testing. This is required. Once data is collected statistical analysis is performed to determine the acceptability of the results. The criteria for agent recovery level acceptance are between 75-125%. Once that test is successful, the base line study begins. The baseline study involves the ACAMS being monitored for 20 consecutive days on the stack. The challenge is performed every 4 hours during the 20-day period. Upon completion of this study the data is provided to the government, then forwarded to the proper departments. Approval is needed before agent operations can begin. These operations validate the ACAMS before operations can begin.

There were no questions

## 2. Results of the Defense Acquisitions Board Decision: Timetable for TOCDF

Tim Thomas-

Prepared statement:

“The tragic events of September 11, 2001 have affected us all. The level of National Security is of utmost concern, which has caused the program manager for the chemical demilitarization to strengthen its contribution to protecting this great nation. As I am sure you are aware, PMCD, cannot publicly discuss details about the program for the adversary to use against us. While we maintain our commitment to keep our stakeholders informed we carefully keep balance the level of information released to uphold National Security. Thank you for your understanding as a nation heals and stands united against this act of terrorism.”

TOCDF has had to restrict some information communicated to the public in light of security concerns.

The Defense Acquisition Board is a board that has been established by the Dept. of Defense, for major acquisition programs and where they assess and make decisions in regards to major programs that are part of the defense system. The review supports oversight and informed decision-making tools regarding the chemical stockpile disposal program at a senior department. Outcomes of the DAB review will result in updated life cycle cost estimates and program schedules, updated closure schedules for stockpile disposal facilities, technology decisions for Colorado and Kentucky. The DAB meeting was held 6 September 2001.

The DAB made a recommendation to the Under Secretary of Defense for Acquisition. The DAB review began in June 2001. Recommendations for phases will incorporate input from independent assessments by: National Research Council, Army Materiel Systems Analysis Activity, Mitretek and public involvement.

The programmatic factors required revised schedule and cost:

- Processing rates
- Condition of the stockpile
- Emergence of New environmental regulations

Program is controlled by several independent variables:

- Maximum Protection to public and the workers
- Meeting all environmental regulations
- Unknowns such as aging and unique stockpile conditions
- External caused delays
- “Unfunded mandates”

Program uncertainties require incorporation of “cost risk” estimates into program cost and schedule.

Showed map of stockpile location. Tooele has destroyed 5,000 tons of the stockpile.  
Major decisions of the DAB

Approved new schedules. Range of the schedules range from 2005-2009.  
Uncertainty range goes to 2012.

Previous cost was \$15 billion. Now project to \$20 billion. The uncertainty range adds \$4 billion. The total is \$24 billion. The risk is very volatile. Allowed the addition of risk dollars in case the schedule does grow a bit. The technology decision is set for Jan 02. Move chemical convention treaty completion ask for extension to April 29, 2012. Showed slide of revised schedule. Schedule is very realistic. Made significant headway in Tooele. Identified some uncertainties such as degradation, gelled M55 rockets, and environmental permitting process. Safety is PMCD's number one priority. Program will continue to destroy the stockpile, while ensuring worker and public safety and environmental protection.

Comments-

Dave Ostler-Just an observation, clearly we have already destroyed substantial greater tons than any other site

Tim Thomas-90% complete with the GB stockpile and then (inaudible).

Q-Arrows indicate the baseline schedule, revised to complete early in the 4<sup>th</sup> qtr. 2005.

Q-What was the original date?

Tim- (abbreviated hereafter as TT) The original completion date since inception was 2002. Developed processes and have seen emergence of new requirements and improving safety systems.

-What about our treaty partners

TT-we are doing better than any of the others, there is some interest by some other nations and starting to gain speed but not nearly as far along as we are.

Question –There is concern about the ten year extension, that is a lot of time?

TT-Recognize a lot of challenges, opportunity here to do what we can to pull schedule back.

Question -With the information on treaty partners, could you give us the current state of affairs?

TT-I don't have with me, but could provide to you.

Comment/Question – Jason Groenwold (Abbreviated here after as JG) The schedule when factoring in risk factors the internal discussion of completion is actually 2008. The program is having extensive delays. The reason I believe is mismanagement of this

program. Other sites that were considered for alternative technologies, Utah was left out of consideration because Army indicated that this site would be complete by 2003. According to this schedule, completion will not be until later, concerned about saying being finished by 2005. Would like to see Utah being considered for alternative technologies now with a better assessment of completion time. There are longer delays when starting to process other munitions. I would like to ask the CAC to write a letter perhaps to be considered for alternative technologies.

Question - Any indication that alternative tech. would be available to finish earlier?

JG-First stage neutralization could certainly be done.

Dr. Jane Bowman (JB)-For clarification, one of the reasons why Utah was not considered for the ACWA program was because we were told that we would be done before the alternative technology would be done?

Dennis Downs: (DD) One reason is because the ACWA program did not exist until the facility was built and in operation. ACWA was a national effort to look for alternative ways to destroy weapons.

JG- Utah was not considered specifically because ACWA was told that this facility would be completed by 2003.

Beverly White (abbreviated here after as BW)- How long would it take to do the neutralization of what we have left? After that, what is left, how long?

JG-There would be a need to do a secondary treatment process after the first.

Debbie Kim (abbreviated here after as DK)-Has your timeline taken into effect the removal of part of the munitions that would have to be removed in order to safely do alternative technology?

JG-The study the Natural Research did in 1993, looked at taking out energetics, after that, could process 120 weapons every ten hours, about 300 a day.

DK- Weren't the figures were exaggerated?

JG- I haven't seen anything that states that. I can give you informational projections using CAMDS facility to neutralize agents. I don't have exact cost figures, but I propose having a panel discuss cost and time frames.

BW- Wouldn't it prolong the years in getting it done? Cost twice as much? Just adds on to the timetable?

JG-This would shorten time of neutralization, there is the necessary second treatment but the agent would have been neutralized, so the agent risk is eliminated.

Sid Hollinger-(abbreviated here after as SH) - If this is a better way to do this why has it not been implemented?

JG-Says it is a bureaucracy. People don't want it done the proper way.

Debbie Kim-I request in order to get through the agenda, at the end of the meeting, use this time to discuss your concerns. I suggest that the commission move ahead with additional items.

3. Q-Cindy King-Sierra Club  
Why the chemical demilitarization. Is requesting \$102.5 million dollars FY 2002

A- Cost for materials contractors other costs, not unusual for operating a facility.

Q-Numbers don't add up on the map, the addition doesn't add up correctly.

A-I will check the addition.

CAMDS Status-Don Jones

Update community-Assembled chemical weapons assessment (ACWA).

Projectile washout system  
Successfully completed tests with 85 HD 4.2 inch mortars  
Waiting approval and facility to initial tests with 85 HT 4.2 inch mortars  
PWS tests completes all requested ACWA projects at CAMDS

Q-Is CAMDS operating now or is it down due to terrorist attacks

A-Yes it is operating. Preparing site for site mentioned above.

Program Status- Monty Caldwell

Aberdeen – 37% complete  
Anniston Site – 100% complete burns schedule for Jan. Agent ops in spring.  
Blue Grass-Still working on preliminary, scheduling base line incineration.  
Johnston Island-Final test in January, before can start production. Processing misc. waste.

Newport-16% complete  
Pine Bluff-68% complete, through in June, agent ops in 2003  
Pueblo-December next meeting, modify base line.  
Umitilla-100% complete, starting ops in Feb 03.

Plant status- Tom Kurkijy      See presentation

Will identify any disposal facilities for handling mercury waste and report next time.

(In response to a question about the proposed Temporary Authorization to process two “mercury” ton containers)

Temporary authorization request was to process two ton containers of agent that had been drained before problem existed. With heightened security there is contingency to eliminate all munitions, eliminate projectiles but also the two ton containers that have been waiting for the mercury ton treatment system approvals. Previously developed a manual washout system. The system waiting approval on is the automated system, which minimizes risk to handle containers. Submitted on contingency if directed by Army to remove munitions from plant, then temp. auth. would be considered by DSHW. The comment period for the washout system closed on the 13<sup>th</sup>. The approval is expected in the near future. Doing real time analysis in the plant for all hazardous metals, emphasis on the mercury (15-30 minute turnaround time).

DSHW Update-Marty Gray

Permit Modifications

- \*TOCDF

- \*CAMDS

- \*DCD

TOCDF Approvals

- \*Lab Operating Procedures Update

- \*Emergency Coordinator Update

- \*Bulk Drain Station Weteye Drill

- \*Three separate equipment and container changes

TOCDF Modifications Pending

- \*Bulk Container Special Handling

  - \*Class 3 Modification

  - \*Comment Period ended 11/13/01

  - \*Temporary Authorization Requested

TOCDF Modifications Pending

- \*VX Trial Burn Plans

  - \*Three Class 3 Modifications

  - \*Incorporate Secondary Waste Treatment into MPF

  - \*DSHW Drafting Language for Public Comment

TOCDF Modifications Pending

- \*ECV Storage, w/ Temporary Authorization

  - \*Class 3 Modification

  - \*Storage of seven Weteye Bombs

  - \*Support Weteye sampling

  - \*Comment Period ended November 5, 2001

TOCDF Modifications Pending

- \*ACS Tank storage

  - \*Class 2 Modification

  - \*Temporary Authorization Requested

- \*Support Weteye sampling
- \*Comment Period ended October 22, 2001
- \*Ready for approval

#### TOCDF Modifications Pending

- \*SDS Tank Liners
  - \*Class 2 Modification
  - \*Liners required for VX operation
  - \*Comment Period ended October 22, 2001
  - \*Ready for approval

#### TOCDF Modifications Pending

- \*Continuous Emission Monitor System (CEMS) Maintenance Protocol
  - \*Class 2 Modification
  - \*Modify CEMS Maintenance and Repair Activities
  - \*Comment Period ends December 10, 2001

#### CAMDS Approvals

- \*MPF Feed Rate - Bulk Metal
  - \*Class 3 Modification
  - \*Increase metal feed for 5X treatment
  - \*Comment Period ended April, 2001
  - \*Thermocouple Testing on-going

#### CAMDS Modifications Pending

- \*Sump 3B Modification
  - \*Class 2 Modification
  - \*Remove fiberglass tank and resize sump from 450 gallons to 359 gallons
  - \*Public Information Meeting - November 28, 2001
  - \*Comment Period ends - December 28, 2001

#### CAMDS Modifications Pending

- \*MPF Charge Car Room
  - \*Class 2 Modification
  - \*Allow storage in the Charge Car Room
  - \*Comment Period ends December 3, 2001

#### CAMDS Modifications Withdrawn

- \*LIC Surrogate Trial Burn Plan
- \*Metal Parts Furnace Surrogate Trial Burn Plan

#### DCD Modifications Pending

- \*Mustard Thaw System
  - \*Class 3 Modification
  - \*Pre-treat Bulk Mustard Items
  - \*Hearing December 4, 2001
  - \*Comment Period ends December 14, 2001

#### DCD Temporary Authorization Approved

- \*Hazardous Waste Storage in Igloos and Buildings
- \*Received September 28, 2001

\*Approved October 5, 2001

\*Awaiting Class 3 Modification

All ton containers are in storage now.

Q- What does 5x mean?

A-Means the agent has been heated for 1000 degrees for 15 minutes

Q-Storage on hazardous waste strictly agent or left over from process outside the facility.

A-Not safe to send off site, agent contaminated waste, needs to be reprocessed before it can be disposed of.

Q-How can one determine 5x has been achieved?

A-What has been done CAMDS and TOCDF required to testing on metal that has gone through the 5x process, shavings and samples have been taken from that metal, and analyzed it using approved methods and determined that it is below detectable levels of agent.

Q-Talking about sampling, how quickly are results coming back? Processing munitions before results back?

A- Yes. Have to have data back and submitted before they can process, includes agent and not munitions. Munitions have not been drained yet. Have received data, not only do they take them individually weteye bombs, required to sample every 500 tons.

### **Stockpile report-Harold Oliver**

Update operational status, after met last time after 11 September, increased security posture at installation and process of bringing ops back on line. Ops are ongoing, continue in high level security. Sustain security, National Guard soldiers who are augmenting extra security. Begun moving ton containers into igloos in June of 2000. All of mustard ton containers are stored in igloos at this time. Tours of the facility have been limited, accommodate a couple of tours, not at same level before. Use discretion before conducting a tour.

Q-Limited by what people see?

A-Tour isn't different, just the number of tours that security can be adequately provided for.

4 weteye bombs have been leaking vapor. Sampled before in storage area, 3 were detected in the plant and one in storage area. Low level leakers, no release to the atmosphere, moved 155 projectiles to the plant, 30 containers had low level vapor readings. Background this applies to the government civilian employees that work at depot. Divided into two groups, support and CAMDS employees, process of merging two groups, merging offices, no reduction in force.

Q-What is the employee situation, are there civilian employees as well? Others?

A-Yes, there are civilians such as Contractors etc.

Q-Are you still hiring?

A-Yes, announcing in local papers

Q-Is there a screening process being used?

A-All employees do receive background checks

Q-The DCD is now in a no fly zone, what does that exactly mean?

A-Requested from FAA that planes cannot fly over installation up to the level of 8000ft. Anything that happens is reported to the FAA, any further information cannot be discussed due to security reasons.

Q-What are the security measures being made during the Olympics and are you operating?

A-Procedures are being worked on, and can't reveal anymore detail about security.

Q-What about plant operations?

A-The plant is to continue to operate, hopefully will be doing the changeover to the other type of munitions, so the actual destruction will not be going on at that time.

Q-Why are the reservist armed with gas masks and other kits? Are there any emergency procedures that the Tooele citizens should be aware of and is there any increased risk?

A-The gas mask is part of basic uniform, which includes guns, flashlights etc.

Q-Other facilities have been issued kits for their home incase of chemical event. People have been instructed how to seal home, why has this not happened for Tooele residents?

A-The residents in the immediate response zone have been given shelter in place kits and direction to protect themselves.

Q-What is in shelter in place kit? Are gas masks part of this?

A-No masks have been issued, no need. Plastic sheeting, duct tape, towels are a part of the shelter in place kit. Citizens are not in the high risk area. The kits issued in Anniston are different because the depot is in a more populated area.

Q-Do you feel that if funding was available, would you expand on what you are doing now?

A-No. We feel that we are doing the best for the citizens safety.

It has been recommended that an agenda item for Shelter in Place and Effectiveness be added for further discussion as well as an agenda item for the Argon lab in regards to plume flow etc.

Mr. Harrison-Attorney for the Sierra Club

Q-What are the test results for the shelter in place technique? How long does it last? How effective it is?

A-This depends on many variables. Shelter in place within a concentrated flue, some point where agent can get into the structure, at a certain point, open doors and windows less agent outside than inside. A lot of research has been done on this subject.

Schedule a presentation to the Committee, specifically addressing effectiveness of Shelter in Place.

Another recommendation is to make EPA standards an agenda item. Bring hazard analysts to discuss the issue.

**ACTION-Sent out the document that talks about acute exposure guidelines.**

Q-Are there any pressurized buildings for evacuation purposes?

A-There are not those special facilities inside the immediate response area. Schools, hospitals, libraries are not located within the immediate response zone. Can't be compared to Anniston, just a very different circumstance than the other areas. Tooele County is doing everything possible to ensure the safety of the citizens.

Q-What would the response be if a terrorist attack was launched on the depot and its stockpile?

A-There are actions to secure the stockpile, but cannot get into the details for security.

### **Debbie Kim-CSEPP**

There was to have been a CSEPP meeting held on 12 September. This meeting was cancelled due to National Security. Leaders in the CSEPP, at the end of this month, will be meeting to improve the medical response teams and working with other sites, we are standardizing approach. This committee is regulated by the joint commission for health care.

There are some other issues that the commissioners asked to be discussed:

Should the commission meet every month?

Another option would be to go a little longer?

Motion-have a meeting within six weeks to catch up in December made by Dr. Bowman.

Second the motion

Good idea, hold it early in January, first week.

Won't hold one in February, just two weeks prior to regular meeting. Extend meeting by 1/2 hour to catch up. This meeting will be address specific issues, such as the toxicity data and sheltering data and alternative technology. The next meeting will be held in Salt Lake City on January 17, 2002 at the DEQ building. The meeting will begin at 6:00 instead of 6:30 pm. Before we leave tonight, we need to give the citizens of Tooele the chance to express their concerns.

All Commissioners are in favor of this.

It was suggested that the Shelter in Place be discussed at one meeting and the EPA at another meeting? A lot of information to discuss, it would be best to be discussed separately.

Shelter in Place should be discussed in Tooele because it affects the residents of Tooele. Then the plume information will be discussed first in Salt Lake then shelter in place discussion will be held in March in Tooele.

It was suggested that advertising be expanded to other areas surrounding Tooele to raise awareness of commission.

Dr. Bowman-I wanted to respond to the request of writing the letter about the Alternative Technology. We should have the opportunity to review the information. I would like to allot time to discuss the letter to be written about Alternative Technology and discuss the options.

Floor open to the Citizens-

Roger Grenier-supplied a document with some interesting statistics. Available upon request.

Cindy King-Supplied EPA federal register. Asked for her to email a document that she quotes from to Heather Greenwall. As of December 10, 2001 it has not been received. Dealing with heightened security. Document of public law please distribute to council.

**Citizens concerns specific to Tooele Residents?**

**None**

**Motion to adjourn was made**

**Second by**

**All in favor.**

**Meeting adjourned at 9:00 p.m.**